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WORLD DATA CENTER A
Oceanography

CATALOGUE
OF
ACCESSIONED PUBLICATIONS

SUPPLEMENT NO. 11
1978

WDCA – OC – 79 – 3

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World Data Centers conduct international exchange of geophysical observations in accordance with the principles set forth by the International Council of Scientific Unions. WDC-A is established in the United States under the auspices of the National Academy of Sciences.

WORLD DATA CENTER A

Oceanography

CATALOGUE OF ACCESSIONED PUBLICATIONS

SUPPLEMENT NO. 11

1978

World Data Center A
Oceanography
Washington, D. C. 20235

I

ABSTRACT

This catalogue lists the oceanographic publications received by World Data Center A, Oceanography, from 1 October 1977 through 30 September 1978. It was compiled by the staff of Literature Research Company.

ACKNOWLEDGMENTS

The following staff members of Literature Research Company assisted in the preparation of this catalogue: Richard L. Bullington, Jr., project leader; Christina Nassikas, cataloguing and editing; Averill Laurie and Virginia Moore, cataloguing; Carolyn P. Bullington, editing; Patricia Funk, Robert Kursch, Jr., and Rose Ann Loechler, proofreading; Mary L. Sobczynski, technical typing; Carol M. Sheppard, paste-up artist. Ronald E. Moffatt and Charlotte L. Sazama of WDC-A, Oceanography and Victoria Jones of NOAA, Editorial Branch, provided technical assistance.

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INTRODUCTION

The World Data Center system was established in 1957 to collect data from the numerous and widespread observational programs of the International Geophysical Year (IGY) under the principles set forth by the International Council of Scientific Unions (ICSU) and to make such data readily accessible to interested scientists and scholars. The system consists of World Data Center A (WDC-A) located in the U.S.A.; WDC-B located in the U.S.S.R.; and several WDC-C's located in Western Europe, Australia, and Japan. WDC-A is established under the auspices of the U.S. National Academy of Sciences where the Coordination Office is located. WDC-A is divided into seven discipline centers whose addresses are given on pages vi and vii. These centers are located in institutions which, in the opinion of the Academy, can best serve the interests of science because of their data handling capabilities for the appropriate scientific disciplines. WDC-A, Oceanography, is collocated with the National Oceanographic Data Center (NODC) in Washington, D.C.

ICSU first assigned responsibility for the operation of the World Data Centers to its Comite Special de Annee Geophysique Internationale (CSAGI). After completion of the IGY programs, CSAGI's responsibilities were terminated in 1959. ICSU then delegated the responsibility for the operation of the World Data Centers in the post-IGY period to its Comite International de Geophysique (CIG). This function is now discharged by the ICSU Panel on World Data Centers. The framework for continued international exchange of data is set forth in the Third Consolidated Guide to International Data Exchange through the World Data Centers and the Intergovernmental Oceanographic Commission's Manual on International Oceanographic Data Exchange.

Each WDC is open to visitors and guest workers from any country; all data in the centers are accessible to visitors.

Arrangements can be made to borrow from WDC-A, Oceanography, any publication for which duplicates are available at the Center. This temporary use of publications may not exceed a period of one month, not including time of transmittal.

Copies of extracts of noncopyrighted materials may be provided on request, at a cost not to exceed that of reproduction and mailing. Details for obtaining data and information from the Center are given in the Catalogue of Data.

WORLD DATA CENTER A

World Data Center A consists of the Coordination Office and seven subcenters:

World Data Center A.
Coordination Office
National Academy of Sciences
2101 Constitution Avenue, N.W.
Washington, D.C., U.S.A. 20418

Telephone: (202) 389-6478

GLACIOLOGY:

World Data Center A,
Glaciology
Institute of Arctic and
Alpine Research
University of Colorado
Boulder, Colorado, U.S.A. 80309

Telephone: (206) 593-6506

METEOROLOGY (and Nuclear Radiation):

World Data Center A,
Meteorology
National Climatic Center
Federal Building
Asheville, North Carolina, U.S.A.
28801

Telephone: (704) 258-2850

OCEANOGRAPHY:

World Data Center A,
Oceanography
National Oceanic and Atmospheric
Administration
Washington, D.C., U.S.A. 20235

Telephone: (202) 634-7249

ROCKETS AND SATELLITES:

World Data Center A,
Rockets and Satellites
Goddard Space Flight Center
Code 601,
Greenbelt, Maryland
U.S.A. 20771

Telephone (301) 982-6695

ROTATION OF THE EARTH:

World Data Center A,
Rotation of the Earth
U.S. Naval Observatory
Washington, D.C., U.S.A. 20390

Telephone: (202) 254-4023

SOLAR-TERRESTRIAL PHYSICS (SOLAR AND INTERPLANETARY PHENOMENA, IONOSPHERIC PHENOMENA, FLARE-ASSOCIATED EVENTS, GEOMAGNETIC VARIATIONS, MAGNETOSPHERIC AND INTERPLANETARY MAGNETIC PHENOMENA, AURORA, COSMIC RAYS, AIRGLOW):

World Data Center A,
Solar-Terrestrial Physics
Environmental Data
Service, NOAA
Boulder, Colorado, U.S.A. 80302

Telephone: (303) 499-1000
Ext. 6467

SOLID-EARTH GEOPHYSICS (SEISMOLOGY, TSUNAMIS, GRAVIMETRY, EARTH TIDES, RECENT MOVEMENTS OF THE EARTH'S CRUST, MAGNETIC MEASUREMENTS, PALEOMAGNETISM AND ARCHEOMAGNETISM, VOLCANOLOGY, GEOTHERMICS):

World Data Center A,
Solid-Earth Geophysics
Environmental Data Service, NOAA
Boulder, Colorado, U.S.A. 80302

Telephone: (303) 499-1000
Ext. 6521

GENERAL INFORMATION

Arrangement of the Catalogue

This catalogue lists the publications received by WDC-A, Oceanography, from 1 October 1977 to 30 September 1978. To enhance the usefulness of the catalogue, suitable cross references are provided by means of keyword and author indexes.

The publications listed in the catalogue are grouped by countries of origin. Preceding each publication is an identifying catalogue number. The numbering system is designed after that used in other WDC-A, Oceanography, catalogues. The first two digits identify the originating country. The number assigned to each country is given in the Numerical List of Countries. The next two digits, after the decimal point, identify the contributing institution. The names of the countries and institutions are printed in capital letters at the beginning of each group of references, preceded at the left by their identifying numbers. In some instances, where specific institutions are not identified separately, the institution number is given as ".00." The final three digits following the dash represent the unique number for each document. This document sequence number is assigned in the order in which the publication is catalogued. For example, Australia is number 02; Commonwealth Scientific and Industrial Research Organization is .01. Thus, the first publication listed in this supplement will have the catalogue number 02.01-353. If a publication contains data that are listed in the Catalogue of Data, that catalogue number is cross referenced in parentheses after the publication information. For example, after publication number 39.01-197 information appears (WDCA-139.8 S-1) which shows that this publication contains data for catalogue number 139.8 S-1 in the Catalogue of Data.

In this Supplement, the articles that appear within some journals are indexed individually following the journal entry. For example, following publication number 14.02-096, the articles included in that publication are numbers 14.02-096.1 and 14.02-096.2 and 14.02-096.3. The decimal number is entered beneath the catalogue number. In cataloguing certain journals, articles not relating to the marine sciences are omitted.

In addition to serving as a means of sequencing the publications, the catalogue number constitutes a link between the indexes and the catalogue.

A brief section, which lists miscellaneous journals, reprints, and reports, may follow the last institution listed for a particular country.

List of Countries, Institutions, and Corporate Authors

02	AUSTRALIA
02.01	Commonwealth Scientific and Industrial Research Organization
03	BELGIUM
03.01	Instituut Voor Zeewetenschappelijk Onderzoek
04	BRAZIL
04.01	Diretoria de Hidrografia e Navegacao
06	CANADA
06.02	Fisheries Research Board
06.08	British Columbia University
06.09	Bedford Institute of Oceanography, Dartmouth, Nova Scotia
06.17	Department of the Environment, Institute of Ocean Sciences, Patricia Bay
07	CHILE
07.06	Departamento de Oceanologia, Universidad de Chile, Valparaiso
07.07	Universidad de Concepcion
08	COLOMBIA
08.04	Ministerio de Defensa Nacional, Armada Nacional
09	DENMARK
09.01	Meteorologiske Institut
11	FINLAND
11.01	Havsforskningsinstitutet
12	TAIWAN
12.02	Institute of Oceanography, National Taiwan University
13	FRANCE
13.10	Office de la Recherche Scientifique et Technique Outre-Mer
13.15	Centre National pour l'Exploitation des Oceans
13.17	Institut de Geologie du Bassin d'Aquitaine
13.21	Museum National d'Histoire Naturelle, Laboratoire d'Oceanographie Physique
13.24	Service Hydrographique et Oceanographique de la Marine, Paris
13.00	Miscellaneous
14	GERMANY (FEDERAL REPUBLIC)
14.02	Deutsches Hydrographisches Institut
14.05	Deutsches Ozeanographisches Datenzentrum, Hamburg
14.06	Institut fur Meeresforschung, Bremerhaven
15	GERMANY (DEMOCRATIC REPUBLIC)
15.01	Deutsche Akademie der Wissenschaften zu Berlin
15.02	Nationalkomitee fur Geodasie und Geophysik
20	INDONESIA
20.02	Lembaga Oseanologi Nasional, Lembaga Ilmu Pengetahuan Indonesia (LIPI)
21	IRELAND
21.01	Department of Agriculture and Fisheries, Dublin
22	ISREAL
22.04	The Hebrew University, Jerusalem

23	ITALY
23.06	Laboratorio Centrale di Idrobiologia, Ministero dell'Agricoltura e Delle Foreste, Roma
23.07	Accademia Nazionale dei Lincei
24	JAPAN
24.04	Hokkaido University
24.06	Fisheries Agency
24.09	Oceanographic Data Center
24.10	Maritime Safety Agency
24.11	University of Fisheries, Shimonoseki
24.14	Far Seas Fisheries Research Laboratory, Shimizu
24.20	Nansei Regional Fisheries Research Laboratory
24.00	Miscellaneous
25	MEXICO
25.03	Secretaria de Marina, Direccion General de Faros e Hidrografia
25.04	Universidad Nacional Autonoma de Mexico
25.05	Secretaria de Marina, Instituto Nacional de Pesca
25.00	Miscellaneous
26	NETHERLANDS
26.04	Koninklijk Nederlands Meteorologisch Institutuut
26.07	Nederlands Centrum voor Oceanografische Gegevens
28	NORWAY
28.02	University of Bergen
28.00	Miscellaneous
29	PAKISTAN
29.01	University of Karachi
30.	PERU
30.02	Instituto del Mar, Callao
32	POLAND
32.02	Sea Fisheries Institute
32.03	Polish Academy of Sciences
33	PORTUGAL
33.00	Miscellaneous
34	SPAIN
34.01	Instituto Espanol de Oceanografia, Madrid
35	SWEDEN
35.03	Fishery Board
35.00	Miscellaneous
36	SOUTH AFRICA
36.01	Department of Oceanography
36.05	Department of Commerce and Industries, Division of Sea Fisheries
37	UNION OF SOVIET SOCIALIST REPUBLICS
37.05	Academy of Sciences, U.S.S.R., Inter-Agency Geophysical Committee
37.06	Academy of Sciences, U.S.S.R., Marine Hydrophysical Institute
37.22	All-Union Scientific Research Institute of Sea Fisheries and Oceanography (VNIRO)
37.00	Miscellaneous
38	UNITED KINGDOM
38.14	Natural Environment Research Council
38.00	Miscellaneous

39	UNITED STATES
39.01	University of California, Scripps Institution of Oceanography
39.02	Columbia University, Lamont-Doherty Geological Observatory, Palisades, New York
39.05	University of Miami, Rosenstiel School of Marine and Atmospheric Science
39.06	National Academy of Sciences, National Research Council
39.07	Oregon State University, School of Oceanography, Corvallis
39.11	Agricultural and Mechanical College, Texas
39.13	United States Coast Guard
39.20	Washington (State) University, Seattle
39.21	Woods Hole Oceanographic Institution, Woods Hole, Massachusetts
39.26	U.S. Weather Bureau
39.27	State University, Florida
39.31	Marine Research Committee, California
39.35	National Oceanic and Atmospheric Administration
39.36	National Science Foundation, Washington, D.C.
39.37	University of Southern California, Los Angeles
39.40	University of Alaska
39.41	Office of the Oceanographer of the Navy
39.42	University of Wisconsin
39.44	University of Rhode Island
39.45	Skidaway Institute of Oceanography
39.46	University of Hawaii
39.48	Department of Marine Sciences, University of Puerto Rico
39.50	Harvard University
39.51	Massachusetts Institute of Technology
39.53	Duke University Marine Laboratory
39.55	University of Texas
39.57	Gulf Coast Research Laboratory, Ocean Springs, Mississippi
39.58	Marine Sciences Research Center, State University of New York
39.59	California State University, Moss Landing Laboratory
39.60	Bigelow Laboratory for Ocean Sciences, Maine
39.61	University of Maine, Orono
39.00	Miscellaneous
42	YUGOSLAVIA
42.01	Institute of Oceanography and Fisheries, Split
43	KOREA (REPUBLIC)
43.02	Fisheries Research and Development Agency
44	IVORY COAST
44.01	Centre de Recherches Oceanographiques
50	SENEGAL
50.01	Centre de Recherches Oceanographiques de Dakar-Thiaroye
51	THAILAND
51.02	Phuket Marine Biological Center
AINA	Arctic Institute of North America
ESCO	United Nations Educational, Scientific, and Cultural Organization
FAO	United Nations Food and Agriculture Organization
IATTC	Inter-American Tropical Tuna Commission
ICES	International Council for the Exploration of the Sea
ICSU	International Council of Scientific Unions

IMCO	Inter-Governmental Maritime Consultative Organization, London
IOC	Intergovernmental Oceanographic Commission
ISOS	International Southern Ocean Studies
MODE	MODE-I Scientific Council
WMO	World Meteorological Organization

Keyword Index

In the Keyword Index, the keywords in every title are placed in alphabetical sequence in capital letters. Below a keyword, all numbers of the documents in the catalogue in which that word appears are listed.

Author Index

The Author Index gives in alphabetical sequence the names of the authors of the publications listed in the catalogue. The corresponding catalogue number(s) follows the name.

PART I

CATALOGUE

02 AUSTRALIA

02.01 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION

02.01-353 RESEARCH REPORT 1974-77, DIVISION OF FISHERIES AND OCEANOGRAPHY.
Commonwealth Scientific and Industrial Research Organization. 96 p.

02.01-354 MARINE BIOCHEMISTRY UNIT, ANNUAL REPORT, 1976-77, 1 JULY-30 JUNE.
Commonwealth Scientific and Industrial Research Organization. 20 p.

02.01-355 Wiebe, W. Smith, D.
^{14}C-LABELING OF THE COMPOUNDS EXCRETED BY PHYTOPLANKTON FOR EMPLOYMENT AS A REALISTIC TRACER IN SECONDARY PRODUCTIVITY MEASUREMENTS.
Commonwealth Scientific and Industrial Research Organization. Reprint from Microbial Ecology, Vol. 4, 1977. p. 1-8.

02.01-356 Dall, W. Barclay, M.
INDUCTION OF VIABLE ECDYSIS IN THE WESTERN ROCK LOBSTER BY 20-HYDROXYECDYSONE.
Commonwealth Scientific and Industrial Research Organization. Reprint from General and Comparative Endocrinology, Vol. 31, 1977. p. 323-334.

02.01-357 Scott, B. Jitts, H.
PHOTOSYNTHESIS OF PHYTOPLANKTON AND ZOOXANTHELLAE ON A CORAL REEF.
Commonwealth Scientific and Industrial Research Organization. Reprint from Marine Biology, Vol. 41, 1977. p. 307-315.

02.01-358 Bulleid, N.
AN IMPROVED METHOD FOR THE EXTRACTION OF ADENOSINE TRIPHOSPHATE FROM MARINE SEDIMENT AND SEAWATER.
Commonwealth Scientific and Industrial Research Organization. Reprint from Limnology and Oceanography, Vol. 23, No. 1, 1978. p. 174-178.

02.01-359 Parker, R.
THE CSIRO FISHERIES AND OCEANOGRAPHY ESTUARINE PROJECT.
Commonwealth Scientific and Industrial Research Organization. Reprint from A.M.S.A. Bulletin, Vol. 58, April 1977. p. 11-14.

02.01-360 Phillips, B. Rimmer, D. Reid, D.
ECOLOGICAL INVESTIGATIONS OF THE LATE-STAGE PHYLLOSOMA AND PUERULUS LARVAE OF THE WESTERN ROCK LOBSTER *PANULIRUS LONGIPES CYGNUS*.
Commonwealth Scientific and Industrial Research Organization. Reprint from Marine Biology, Vol. 45, 1978. p. 347-357.

02.01-361 Rochford, D.
MONITORING OF COASTAL SEA TEMPERATURES AROUND AUSTRALIA.
Commonwealth Scientific and Industrial Research Organization. Reprint from SEARCH, Vol. 8, No. 5, 1977. p. 167-169.

02.01-362 Dall, W. Smith, D.
MEASUREMENT OF WATER DRINKING RATES IN MARINE CRUSTACEA.
Commonwealth Scientific and Industrial Research Organization. Reprint from Journal of Experimental Marine Biology and Ecology, Vol. 30, 1977. p. 199-208.

02.01-363 Maxwell, J.
SEMI-PELAGIC OTTER BOARDS USED IN COURAGEOUS TRAWLING OPERATIONS.
Commonwealth Scientific and Industrial Research Organization. Reprint from Australian Fisheries, Vol. 36, No. 10, October 1977. 3 p.

02.01-364 Jeffrey, S. Vesk, M.
EFFECT OF BLUE-GREEN LIGHT ON PHOTOSYNTHETIC PIGMENTS AND CHLOROPLAST STRUCTURE IN THE MARINE DIATOM *STEPHANOPYXIS TURRIS*.
Commonwealth Scientific and Industrial Research Organization. Reprint from Journal of Phycology, Vol. 13, 1977. p. 271-279.

02.01-365 AUSTRALIAN JOURNAL OF MARINE AND FRESHWATER RESEARCH 28(3), JUNE 1977.
Commonwealth Scientific and Industrial Research Organization, Vol. 28, No. 3. p. 261-402.

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Bebbington, G. Mackay, N.
Chvojka, R. Williams, R.
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Commonwealth Scientific and Industrial Research Organization, Vol. 28, No. 4. p. 403-528.

02.01-367
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Commonwealth Scientific and Industrial Research Organization, Vol. 28, No. 5. p. 529-671.

02.01-367
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Tranter, D.
FURTHER STUDIES OF PLANKTON ECOSYSTEMS IN THE EASTERN INDIAN OCEAN. I. INTRODUCTION - THE STUDY AND THE STUDY AREA.
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02.01-367
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FURTHER STUDIES OF PLANKTON ECOSYSTEMS IN THE EASTERN INDIAN OCEAN. II. SEASONAL VARIATIONS IN WATER MASS DISTRIBUTION (UPPER 150 m) ALONG 110°E. (AUGUST 1962-AUGUST 1963).
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02.01-367
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FURTHER STUDIES OF PLANKTON ECOSYSTEMS IN THE EASTERN INDIAN OCEAN. VIII. SEASONAL, DIURNAL, AND LATITUDINAL VARIATIONS IN ABUNDANCE OF EUTHECOSOMATA ALONG THE 110° E. MERIDIAN.
Its p. 663-671.

02.01-368
AUSTRALIAN JOURNAL OF MARINE AND FRESHWATER RESEARCH 28(6), DECEMBER 1977.
Commonwealth Scientific and Industrial Research Organization, Vol. 28, No. 6. p. 673-811.

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02.01-369 AUSTRALIAN JOURNAL OF MARINE AND
FRESHWATER RESEARCH 29(1),
FEBRUARY 1978.
Commonwealth Scientific and Industrial
Research Organization,
Vol. 29, No. 1. 126 p.

02.01-369 Ahsanullah, M. Arnott, G.
.1 ACUTE TOXICITY OF COPPER, CADMIUM
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02.01-370 AUSTRALIAN JOURNAL OF MARINE AND
FRESHWATER RESEARCH 29(2),
APRIL 1978.
Commonwealth Scientific and Industrial
Research Organization,
Vol. 29, No. 2. p. 127-262.

02.01-370 Pregenzer, C.
.1 PINNOTHERES HICKMANI (GUILER) IN
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02.01-370 Morgan, G.
.2 LOCOMOTOR ACTIVITY IN THE WESTERN
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Its p. 169-174.

02.01-370 Bell, J. Burchmore, J.
.3 Pollard, A.
FEEDING ECOLOGY OF A SCORPAENID
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.4 SOME SURFACE CIRCULATION FEATURES
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Its p. 193-204.

02.01-371 Dredge, M. Kirkman, H.
Potter, M.
A SHORT TERM BIOLOGICAL SURVEY, TIN
CAN INLET/GREAT SANDY STRAIT.
Commonwealth Scientific and Industrial
Research Organization,
Division of Fisheries and Oceanography,
Report No. 68, 1977.
31 p.

02.01-372 Young, P.
A WORKING KEY TO THE COMMON
SPECIES OF JUVENILE PENAEID
PRAWNS FROM MORETON BAY,
QUEENSLAND, AUSTRALIA (PENAEIDAE:NATANTIA).
Commonwealth Scientific and Industrial
Research Organization,
Division of Fisheries and Oceanography,
Report No. 72, 1977.
12 p.

02.01-373 Greig, M.
DIGITIZING OF TORRES STRAIT
TIDAL RECORDS.
Commonwealth Scientific and Industrial
Research Organization,
Division of Fisheries and Oceanography,
Report No. 74, 1977.
15 p.

02.01-374 Bulleid, N.
ADENOSINE TRIPHOSPHATE ANALYSIS IN MARINE ECOLOGY: A REVIEW AND MANUAL.
Commonwealth Scientific and Industrial Research Organization, Division of Fisheries and Oceanography, Report No. 75, 1977.
18 p.

02.01-375 Major, G.
INEXPENSIVE SYSTEM FOR REMOTE TRIGGERING OF WATER SAMPLERS.
Commonwealth Scientific and Industrial Research Organization, Division of Fisheries and Oceanography, Report No. 76, 1977.
7 p.

02.01-376 Rochford, D.
THE PRESENT EVIDENCE FOR SUMMER UPWELLING OFF THE NORTH EAST COAST OF VICTORIA.
Commonwealth Scientific and Industrial Research Organization, Division of Fisheries and Oceanography, Report No. 77, 1977.
14 p.

02.01-377 Hamon, B.
A TIME SERIES STATION OFF NORTH WEST AUSTRALIA.
Commonwealth Scientific and Industrial Research Organization, Division of Fisheries and Oceanography, Report No. 78, 1977.
10 p.

02.01-378 Colquhoun-Kerr, J.
CARBON FLUX THROUGH THE SOUTH WEST ARM POPULATIONS OF *CRASSOSTREA COMMERCIALIS* AND *TRICHOMYA HIRSUTA*.
Commonwealth Scientific and Industrial Research Organization, Division of Fisheries and Oceanography, Report No. 79, 1977.
21 p.

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